

**CLAIM AMENDMENTS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 30. (Canceled)

31. (Currently Amended) A method comprising the steps of:

determining at a display device a first data transmission rate between the display device and a wireless access point;

determining at the display device a first channel of a plurality of channels of a multicast channel based on the first data transmission rate, wherein each channel of the plurality of channels is used to provide a different version of a plurality of versions of a video stream, and where each version of the video stream includes a different resolution scale; and

accessing the first channel to receive a version of the video stream associated with the first channel.

32. (Original) The method of Claim 31, wherein the multicast channel is based on a IEEE 802.11 standard.

33. – 41. (Canceled)

42. (New) A method comprising:

receiving, at a video provider, a first connection information for a first networked display device;

receiving, at the video provider, a first request from the first networked display device for a video stream;

determining a first version of the video stream based on the first connection information; and

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providing, in response to receiving the first request from the first networked display device, an indicator of a first multicast address from the video provider to the first networked display device, the first multicast address corresponding to a first transmission channel for the first version of the video stream.

43. (New) The method of claim 42, further comprising:  
multicasting the first version of the video stream using the first multicast address.

44. (New) The method of claim 43, wherein multicasting the first version of the video stream comprises wirelessly transmitting the first version from an access point using the first multicast address.

45. (New) The method of claim 42, further comprising:  
receiving, at the video provider, a second connection information for a second networked display device;  
receiving, at the video provider, a second request from the second networked display device for the video stream;  
determining a second version of the video stream based on the second connection information; and  
providing, in response to receiving the second request from the second networked display device, an indicator of a second multicast address from the video provider to the second networked display device, the second multicast address corresponding to a second transmission channel for the second version of the video stream.

46. (New) The method of claim 45, further comprising:  
multicasting the first version of the video stream from the video provider using the first transmission channel; and  
multicasting the second version of the video stream from the video provider using the second transmission channel.

47. (New) The method of claim 46, wherein:

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multicasting the first version of the video stream comprises wirelessly transmitting the first version from an access point using the first multicast address; and multicasting the second version of the video stream comprises wirelessly transmitting the second version from an access point using the second multicast address concurrent with wirelessly transmitting the first version.

48. (New) The method of claim 45, wherein:

the first connection information includes a first data transmission rate of a connection between the video provider and the first networked display device; the second connection information includes a second data transmission rate, greater than the first data transmission rate, of a connection between the video provider and the second networked display device; determining the first version of the identified video stream comprises selecting the first version from a plurality of versions of the identified video stream based on the first data transmission rate; and determining the second version of the identified video stream comprises selecting the second video version from the plurality of versions of the identified video stream based on the second data transmission rate.

49. (New) The method of claim 45, wherein:

the first connection information includes a first data transmission rate of a connection between the video provider and the first networked display device; and the second connection information includes a second data transmission rate, greater than the first data transmission rate, of a connection between the video provider and the second networked display device.

50. (New) The method of claim 49, further comprising:

receiving, at the video provider, a first display resolution information for the first networked display device; receiving, at the video provider, a second display resolution information for the second networked display device;

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wherein determining the first version of the identified video stream comprises selecting the first version from a plurality of versions of the identified video stream based on the first data transmission rate and the first display resolution information; and determining the second version of the identified video stream comprises selecting the second video version from the plurality of versions of the identified video stream based on the second data transmission rate and the second display resolution information.

51. (New) The method of claim 42, wherein:

the first connection information includes a data transmission rate of a connection between the video provider and the first networked display device; and determining the first version of the identified video stream comprises selecting the first version from a plurality of versions of the identified video stream based on the data transmission rate.

52. (New) The method of claim 42, further comprising:

receiving, at the video provider, display resolution information for the first networked display device;  
wherein the first connection information includes a data transmission rate of a connection between the video provider and the first networked display device; and  
wherein determining the first version of the identified video stream comprises selecting the first version from a plurality of versions of the identified video stream based on the data transmission rate and the display resolution information.

53. (New) A method comprising:

determining a first data transmission rate of a wireless connection between a first wireless display device and an access point at a first time;  
providing, at a second time subsequent to the first time, an indicator of a first wireless channel to the first wireless display device based on the first data transmission rate;  
determining a second data transmission rate, different from the first data transmission rate, for the wireless connection at a third time subsequent to the second time;

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providing, at a fourth time subsequent to the third time, an indicator of a second wireless channel to the first wireless display device based on the second data transmission rate;  
transmitting a first version of a video stream via the first wireless channel; and  
transmitting a second version of the video stream via the second wireless channel.

54. (New) The method of claim 53, wherein the first version of the video stream and the second version of the video stream are transmitted concurrently.

55. (New) The method of claim 54, wherein the indicator of the first wireless channel comprises a first multicast address and the indicator of the second wireless channel comprises a second multicast address, the method further comprising:

transmitting the first version of the video stream comprises multicasting the first version of the video stream using the first multicast address; and  
transmitting the second version of the video stream comprises multicasting the second version of the video stream using the second multicast address.

56. (New) The method of claim 53, further comprising:

determining a third data transmission rate of a wireless connection between a second wireless display device and an access point at a fifth time prior to the third time;  
providing, at a sixth time subsequent to the fifth time, the indicator of the second wireless channel to the second wireless display based on the third data transmission rate.

57. (New) The method of claim 53, wherein

determining the first data transmission rate comprises receiving an indicator of the first data transmission rate from the first wireless display device at the first time; and  
determining the second data transmission rate comprises receiving an indicator of the second data transmission rate from the first wireless display device at the second time.

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58. (New) A method comprising:  
determining, at a networked display device, a first data transmission rate of a  
transmission connection of the networked display device at a first time;  
determining, at the networked display device, a first multicast address from a plurality of  
multicast addresses based on the first data transmission rate, each of the plurality  
of multicast addresses associated with a corresponding version of a plurality of  
versions of a video stream; and  
receiving, at the networked display device, a first version of the plurality of versions of  
the video stream via the transmission connection using the first multicast address  
for a first duration.

59. (New) The method of claim 58, wherein receiving the first version of the plurality of  
versions of the video stream comprises:

processing, at the networked display device, a plurality of transmitted data packets  
associated with the first multicast address and having data representative of the  
first version of the plurality of versions of the video stream.

60. (New) The method of claim 58, wherein the transmission connection comprises a  
wireless connection between the networked display device and an access point.

61. (New) The method of claim 58, wherein determining the first multicast address  
comprises performing a table lookup based on the first data transmission rate.

62. (New) The method of claim 58, further comprising:  
determining, at the networked display device, a second data transmission rate of a  
transmission connection of the networked display device at a second time  
subsequent to the first time;  
determining a second multicast address from the plurality of multicast addresses based on  
the second data transmission rate; and

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receiving, at the networked display device, a second version of the plurality of versions of the video stream via the transmission connection using the second multicast address for a second duration subsequent to the first duration.

63. (New) The method of claim 62, wherein determining the second multicast address comprises performing a table lookup based on the second data transmission rate..

64. (New) A system comprising:

a video provider configured to:

receive a first connection information for a first networked display device and a first request for a video stream from the first networked display device; determine a first version of the video stream based on the first connection information; and

provide, in response to receiving the first request for the video stream from the first networked display device, an indicator of a first multicast address to the first networked display device, the first multicast address corresponding to a first transmission channel for the first version of the video stream.

65. (New) The system of claim 64, wherein the video provider is configured to: multicast the first version of the video stream from the video provider using the first multicast address.

66. (New) The system of claim 64, wherein the video provider is configured to: receive a second connection information for a second networked display device; receive a second request for the video stream from the second networked display device; determine a second version of the video stream based on the second connection information; and

provide, in response to receiving the second request for the video stream from the second networked display device, an indicator of a second multicast address to the second networked display device, the second multicast address corresponding to a second transmission channel for the second version of the video stream.

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67. (New) The system of claim 66, wherein the video provider is configured to:  
multicast the first version of the video stream from the video provider using the first  
multicast address; and  
multicast the second version of the video stream from the video provider using the second  
multicast address.

68. (New) The system of claim 66, wherein:  
the first connection information includes a first data transmission rate of a connection  
between the video provider and the first networked display device;  
the second connection information includes a second data transmission rate, greater than  
the first data transmission rate, of a connection between the video provider and  
the second networked display device;  
the video provider is configured to select the first version from a plurality of versions of  
the identified video stream based on the first data transmission rate and select the  
second video version from the plurality of versions of the identified video stream  
based on the second data transmission rate.

69. (New) The system of claim 64, further comprising:  
the first networked display device connected to the video provider via a network, the first  
networked display device configured to:  
provide the first connection information and the first request for a video stream to  
the video provider;  
receive the indicator of the first multicast address from the video provider; and  
receive the first version of the video stream via the first transmission channel  
using the first multicast address;  
the second networked display device connected to the video provider via a network, the  
second networked display device configured to:  
provide the second connection information and the second request for a video  
stream to the video provider;  
receive the indicator of the second multicast address from the video provider; and

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receive the second version of the video stream via the second transmission channel using the second multicast address.

70. (New) The system of claim 64, wherein:  
the first connection information includes a data transmission rate of a connection between the video provider and the first networked display device; and  
the video provider is configured to select the first version from a plurality of versions of the identified video stream based on the data transmission rate.

71. (New) The system of claim 64, wherein:  
the first connection information includes a data transmission rate of a connection between the video provider and the first networked display device; and  
the video provider is configured to:  
receive display resolution information for the first networked display device; and  
select the first version from a plurality of versions of the identified video stream based on the data transmission rate and the display resolution information.

72. (New) The system of claim 64, further comprising:  
the first networked display device connected to the video provider via a network, the first networked display device configured to:  
provide the first connection information and the first request for a video stream to the video provider;  
receive the indicator of the first multicast address from the video provider; and  
receive the first version of the video stream via the first transmission channel using the first multicast address.